THE LENOVO® THINKSERVER™ RD120

AN IDEA FOR BETTER MANAGEMENT.

ULTIMATE PERFORMANCE
- Intel® Xeon® processors 5000 sequence
- Intel® 5000P Chipset
- 48GB of maximum memory
- Redundant power supply (835Wx2)

ULTIMATE RELIABILITY
- 12 slots of 1/2/4GB 667MHz DDR2 with Advanced ECC FBDIMM
- Integrated dual GB Broadcom 5708 Ethernet with TCP Offload Engine
- Easy LED Diagnostics, fans and memory
- 4 high-performance PCI-E expansion slots

ULTIMATE CUSTOMIZATION
- Industry-leading software solutions available from Lenovo and Lenovo Business Partners:
  - Microsoft® Windows Server® 2003 Standard Edition Reseller Option Kit
  - Microsoft® Windows Server® 2003 Enterprise Edition Reseller Option Kit
  - Microsoft® Windows Server® 2008 Standard Edition with Hyper-V™ Reseller Option Kit
  - Microsoft® Windows Server® 2008 Enterprise Edition with Hyper-V™ Reseller Option Kit
  - Microsoft® Windows® Small Business Server 2003 R2 Standard Edition Reseller Option Kit
  - Microsoft® Windows® Small Business Server 2003 R2 Premium Edition Reseller Option Kit
- Novell® SUSE® Linux Enterprise Server (Novell® is Lenovo's Preferred Linux Provider for ThinkServer)
- Hardware customization through ThinkServer and ThinkServer Ready options

ULTIMATE SETUP AND MANAGEMENT
- ThinkServer EasyStartup server setup and configuration utility
- ThinkServer EasyUpdate for Lenovo hardware drivers and firmware
- ThinkServer EasyManage server management for hardware monitoring, alerting, administration and more
- PC-Doctor Diagnostics
- IPMI 2.0 support

ULTIMATE SERVICES
- ThinkPlus™ Productivity gets your server up and running fast
- ThinkPlus™ Priority Support offers expert IT support for your ThinkServer when you need it
- An included 90-day trial of the Priority package supports you during your first critical three months of ownership

lenovo®

THE LENOVO THINKSERVER™ RD120

ENGINEERED FOR THE SMALL BUSINESS WITH A LARGE BUSINESS AGENDA.

Meet the new ThinkServer RD120, where first-class hardware is combined with software tools and services designed to deliver the best possible server experience for the small business owner. This dual-processor capable rack server knows that uptime is critical. It offers the ultimate in performance, scalability and space optimization for the datacenter of a small to medium-sized business with cutting-edge features like hot swap drives. In addition, it's complemented by services that offer the highest level of IT support. The customizable RD120 combines reliable hardware, ease of use and hassle-free support to give small businesses the ultimate amount of flexibility. The ThinkServer line ensures that data is kept secure with available disaster recovery offerings that improve upkeep across a small business, making it easy to centralize IT infrastructure. It's even easier to enjoy the low cost without sacrificing performance, storage or flexibility.

Coupled with reliable hardware, the new ThinkServer RD120 comes equipped with a suite of easy-to-use software, services and toolsets to make the setup, updating and management of your server painless and perfect. Just what you need to power your file/print, e-mail, messaging, Web, applications and virtualization priorities — along with your ideas.

ROCK-SOLID HARDWARE
Proven technology powers ThinkServer systems, along with Intel® chipsets and processors. Added attributes, like Advanced ECC and Easy LED Diagnostics, make the ThinkServer RD120 resilient and reliable. Lenovo's design and engineering traits also are synonymous with the successful Think® brand, affording you the peace-of-mind to focus on growing your business.

THOUGHTFUL MANAGEMENT
ThinkPlus™ Services are developed with the small business and the local business partner in mind. Simple solution packages get you productive fast and provide the priority service you depend on, including ThinkPlus™ Productivity and ThinkPlus™ Priority Support, plus a wide range of other modular SMB services. Third-party software fills in where and when it's needed, including Lenovo Integrated Software Solutions from LANDesk®. Operating Systems from Microsoft® and Novell® are offered, and additional solutions from VMWare® and Red Hat® are certified to run on Lenovo ThinkServer hardware.

VAST SUPPORT
The Lenovo Partner Network helps your dedicated Business Partner easily lead you through every step of the customization and management of your new hardware.

THINKSERVER™ RD120 SPECIFICATIONS AND SERVICES

THINKSERVER RD120

Warranty 1/1	Warranty 3/3	Warranty 3/3
Form Factor Rack	**Form Factor** Rack	**Form Factor** Rack
Core Chipset Intel® 5000P	**Core Chipset** Intel® 5000P	**Core Chipset** Intel® 5000P
Processor Dual Capable E5200 Series (E5205)	**Processor** Dual Capable E5400 Series (E5410/E5420/E5430)	**Processor** Dual Capable E5400 Series (E5420/E5450/E5450)
Machine Type-Model 6445-12x/6445-13x	**Machine Type-Model** 6447-18x/6447-19x/6447-21x	**Machine Type-Model** 6447-22x/6447-23x/6447-24x
Speed & Capacity 1.86GHz Clock Speed 1066MHz Front Side Bus 6MB L2 Cache	**Speed & Capacity** 2.33GHz Clock Speed/2.50GHz/2.66GHz 1333MHz Front Side Bus 12MB L2 Cache	**Speed & Capacity** 2.50GHz Clock Speed/3.00GHz/3.00GHz 1333MHz Front Side Bus 12MB L2 Cache
Memory 667MHz DDR2 FBDIMM 48GB Maximum Memory	**Memory** 667MHz DDR2 FBDIMM 48GB Maximum Memory	**Memory** 667 MHz DDR2 FBDIMM 48GB Maximum Memory
Storage Built-in Adaptec RAID 8k-I (RAID 0,1,10) or Adaptec 8k (RAID 0,1,5,6,10,1e)* Up to 6x3.5" Hot-Swap (SAS or SATA) CD-RW/DVD	**Storage** Built-in Adaptec RAID 8k-I (RAID 0,1,10) or Adaptec 8k (RAID 0,1,5,6,10,1e)* Up to 6x3.5" SATA HDD/Up to 6x3.5" SATA HDD with optional 500GB 7200rpm Hard Disk Drive/ Up to 6x3.5" Hot-Swap (SAS or SATA) CD-RW/DVD	**Storage** Built-in Adaptec RAID 8k-I (RAID 0,1,10) or Adaptec 8k (RAID 0,1,5,6,10,1e)* Up to 6x 3.5" SAS HDD with optional 146GB 15000rpm Hard Disk Drive/Up to 8x 2.5" SAS HDD/ Up to 6x 3.5" SAS HDD CD-RW/DVD
Connectivity Dual Gigabit Ethernet (Integrated)	**Connectivity** Dual Gigabit Ethernet (Integrated)	**Connectivity** Dual Gigabit Ethernet (Integrated)
Diagnostics Easy LED	**Diagnostics** Easy LED	**Diagnostics** Easy LED
Power Supply Redundant Power Supply (835Wx2)	**Power Supply** Redundant Power Supply (835Wx2)	**Power Supply** Redundant Power Supply (835Wx2)

*Optional

A-La-Carte ThinkPlus™ Services

Online Data Backup
A secure, online location to backup your valuable business data

Onsite Hardware Installation
Onsite installation of your hardware by a trained technician

Online Training
Learn the basics on components, diagnostics, troubleshooting and managing your server

EXCEPTIONAL SUPPORT WITH THINKPLUS™ SERVICE BUNDLES

ThinkPlus™ Warranty Base Warranty Support	**ThinkPlus™ Priority Support** 90-Day Trial Included (With HW Product Purchase)	**ThinkPlus™ Productivity** No-Hassle Up & Running Bundle
• Warranty Upgrade • Warranty Extension	• 24x7 HW & SW Phone Support • Next-Business Day (9x5) Onsite Service • Priority Routing • Advanced Level Technicians • SW Installation & Usage Support (Phone-Based) • Optional 4-Hour (24x7) Onsite Service Response • Optional Hard Disk Drive Retention	• Onsite HW Installation • Online Training • Priority Support

THINKSERVER™ RD120 ACCESSORIES AND OPTIONS

Processors	
45J6180	Intel® Xeon® E5205 Processor (1.86GHz/1066MHz 6MB 65W)
45J6185	Intel® Xeon® E5410 Processor (2.33GHz/1333MHz FSB 12MB 80W)
45K1605	Intel® Xeon® E5420 Processor (2.66GHz/1333MHz FSB 12MB 80W)
45J6186	Intel® Xeon® E5430 Processor (2.50GHz/1333MHz FSB 12MB 80W)
Memory	
45J6191	ThinkServer 1GB PC2-5300 (667MHz) ECC DDR2 FBDIMM Memory
45J6192	ThinkServer 2GB PC2-5300 (667MHz) ECC DDR2 FBDIMM Memory
45J6193	ThinkServer 4GB PC2-5300 (667MHz) ECC DDR2 FBDIMM Memory
Hard Disk Drives	
45J6202	ThinkServer 500GB 3.5" Hot-Swap SATA II Drive
45J6203	ThinkServer 750GB 3.5" Hot-Swap SATA II Drive
45J6204	ThinkServer 1TB 3.5" Hot-Swap SATA II Drive
45J6207	ThinkServer 146GB 10K 2.5" Hot-Swap SAS Drive
45J6208	ThinkServer 73GB 15K 2.5" Hot-Swap SAS Drive
45J6211	ThinkServer 146GB 15K 3.5" Hot-Swap SAS Drive
45J6212	ThinkServer 300GB 15K 3.5" Hot-Swap SAS Drive
Keyboard/Mice	
31P9490	ThinkPad Travel UltraNav® USB Keyboard - U.S. English
73P5220	Lenovo Preferred Pro USB Keyboard - U.S. English
06P4069	Lenovo Optical Mouse
Monitors	
9165AC6	Lenovo 15 TFT LCD/ThinkVision® L151 15" Analog LCD
9227AD1	Lenovo T 117 17 TFT LCD/ThinkVision L171 17" Analog LCD
4431HB2	Lenovo 19 TFT LCD/ThinkVision L193p 19" Digital/Analog LCD
Diskette Drive	
05K9276	USB Portable Diskette Drive
ThinkServer Ready I/O Options	
39Y6146	QLogic iSCSI Single-Port PCIe HBA
42C1770	QLogic iSCSI Dual-Port PCIe HBA
42C2069	Emulex 4GB FC Single-Port PCI-E HBA
42C2071	Emulex 4GB FC Dual-Port PCI-E HBA
39R6525	QLogic 4GB FC Single-Port PCIe HBA
39R6527	QLogic 4GB FC Dual-Port PCIe HBA
39Y6126	PRO/1000 PT Dual-Port Server Adapter by Intel®
39Y6136	PRO/1000 PT Quad-Port Server Adapter by Intel®
ThinkServer Ready Tape Options	
42D8771	IBM® GoVault Drive without Cartridge/Internal Dock
41Y8976	IBM GoVault Rack Optimization Bundle
39M5617	IBM GoVault 80GB Cartridge
42D8776	IBM GoVault 120GB Cartridge
39M5636	IBM DDS Generation 6 USB Tape Drive
44E8895	IBM LTO-4 Half High 800GB/1.6TB
ThinkServer Ready Controller/RAID Options	
25R8064	IBM ServeRAID 8k SAS Controller
44E8825	IBM ServeRAID-MR10M SAS/SATA Controller w/remote
25R8060	IBM SAS HBA Controller
ThinkServer Ready Racks & Rack Accessory Options	
17354GX	IBM 4x16 Global Console Manager
17237RX	Monitor Shelf
17235RX	Keyboard Tray
93072RX	IBM S2 Standard 25U Rack
93074RX	IBM S2 Standard 42U Rack
93074XX	IBM S2 Standard 42U Expansion Rack

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